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**Flame-retarding compsn. e.g. for cable sheath - comprising halogen-free high molecular cpd(s)., heat-expanding graphite and inorganic water contg. cpds.**

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 55062988	A	19800512				198025 B
JP 89018118	B	19890404				198917

Priority Applications (No Type Date): JP 78135474 A 19781102

Abstract (Basic): JP 55062988 A

Flame-retarding compsn. comprises (a) 100 pts. wt. of halogen-free high molecular cpd(s)., (b) 3-120 pts. wt. of heat-expanding graphite, and (c) 10-200 pts. wt. of inorganic water-contg. cpds. or mixt. of water-contg. cpds. and inorganic fillers for sintering.

(a) includes, e.g. ethylene copolymer (e.g. polyethylene ethylene-propylene rubber), butyl rubber, natural rubber, polybutadiene, silicone rubber, phenol. (b) is obtd. by oxidising natural graphite of high crystallinity with H<sub>2</sub>SO<sub>4</sub> or HNO<sub>3</sub> or electrolytic-oxidising it. (b) has a bulk SG 0.2-0.5 and expands by several to several hundred times on heating. Inorganic water-contg. cpds. include, e.g. aluminium hydroxide, barium sulphate, borax, kaolin clay. Inorganic fillers include, e.g. asbestos, rock wool, clay. Pref. (c) comprises 0-150 pts. wt. of inorganic fillers and 10-200 pts. wt. of inorganic water-contg. cpds.

Title Terms: FLAME; RETARD; COMPOSITION; CABLE; SHEATH; COMPRISE; HALOGEN; FREE; HIGH; MOLECULAR; COMPOUND; HEAT; EXPAND; GRAPHITE; INORGANIC; WATER ; CONTAIN; COMPOUND

Index Terms/Additional Words: POLYETHYLENE; COPOLYMER; RUBBER; POLYPROPYLENE; POLYBUTADIENE

Derwent Class: A85

International Patent Class (Additional): C08K-003/00; C09K-003/28; C09K-021/00; H01B-007/34

File Segment: CPI